



AI Data Validator with Human IN Loop

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Mentors:
Kristian Sopkovic
Vladimir Banoci
Maros Skyslak

Deutsche Telekom IT Solutions
Slovakia



HACKATHON 2024 PROBLEM STATEMENT



Large amounts
DATA
following
standards



Wrongly filled
documents



Inconsistency in
DATA

HACKATHON 2024 SOLUTION

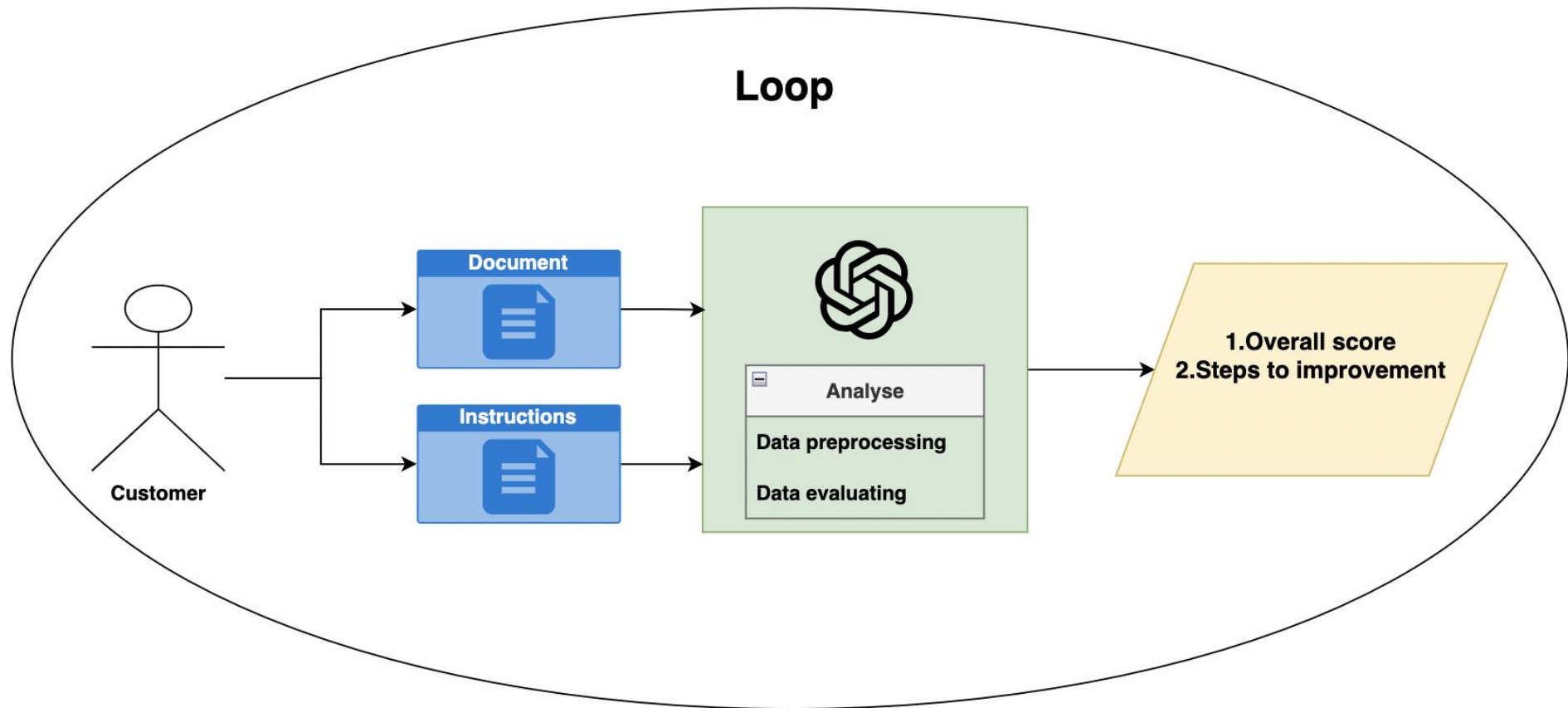
Build a system that enhance document Quality
with AI-Assisted Validation and Human
Collaboration

HACKATHON 2024 EXAMPLES OF USAGE

AI VALIDATOR FOR:

- ☐ filling the Grants
- ☐ filling documents for Building permissions
- ☐ processing Employment Contracts
- ☐ patent Filling
- ☐ IT Change Management Requests

Human generated picture 😊





Ing. Maros Skyslak
Product Manager DTIT



Ing. Kristian Sopkovic
Data Scientist DTIT



Phd., Ing. Vladimir Banoci
AI Architect DTIT

MENTORS

Deutsche Telekom IT
Solutions Slovakia

Title:	LLM Document Validator with Human-in-the-Loop
Description:	Enhancing Document Quality with AI-Assisted Validation and Human Collaboration
Problem Statement:	Organizations often manage large amounts of internal documents that must align with specific standards and maintain accuracy and relevance. This use case focuses on creating an application to ensure documents are filled correctly and consistently by leveraging historical data and LLM technology. The solution will integrate human feedback to validate the quality of the documents and provide a baseline for improving future AI recommendations.
Outcome:	By the end of the hackathon, students will have developed prototypes that blend AI capabilities with human collaboration, creating a document validation and assistance system. These solutions could serve as a foundation for further academic projects or real-world applications.
Key Objectives:	<p>Develop a prototype solution that uses an LLM-based assistant to:</p> <ul style="list-style-type: none">• Analyze and validate existing documents against organizational standards.• Recommend autofill suggestions for incomplete sections based on historical data.• Include a "Human-in-the-Loop" (HITL) process to evaluate and improve the AI's outputs.
Evaluation Criteria:	<ul style="list-style-type: none">• Innovation: How creative is the proposed solution?• Functionality: Does the application perform as intended?• User Experience: Is the interface intuitive and easy to use?• Impact: How effectively does the solution solve the stated problem?• Human-in-the-Loop Integration: How seamlessly does the feedback mechanism work?
Prerequisites for Participants:	<ul style="list-style-type: none">• Proficiency in programming, particularly in Python.• Familiarity with NLP, machine learning, and data scraping techniques.• Knowledge of web development (if creating a user interface).• Access to necessary tools and libraries.• Creative problem-solving skills.